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(54) INFORMATION RECORDING MEDIUM AND PRODUCTION THEREOF

(57)Abstract:

PURPOSE: To obtain the information recording medium which allows recording with sufficient sensitivity even by low-power laser light such as semiconductor laser, has good productivity and is low in cost by using a low oxide of specific nickel as a recording film.

CONSTITUTION: The low oxide of the nickel expressed by NiO_x (where $0.1 < x < 0.8$) is used as the recording film. The low oxide of the nickel expressed by the NiO_x to be used as the recording film exhibits the high sensitivity to the laser light irradiated at the time of recording and the optical characteristics such as transmittance and reflectivity change. The sensitivity is high particularly when x of the NiO_x is 0.3-0.7. The recording with the sufficient sensitivity is thereby enabled even if a laser light source of small output such as semiconductor laser is used. In addition, the productivity is improved and the cost is reduced.

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